



Journées Françaises de Photosynthèse

22nd-23rd June 2023, ENS, Paris

Amphithéâtre Jaurès

SFPh

Thursday 22nd

12h30-12h55 Registration

12h55 Welcome

Session 1, Chair Alix Boulouis

13h00-13h30 **Tomas Morosinotto** (University of Padova, Italy)

Lessons from evolution to understand mechanisms of photosynthesis regulation

13h30-13h55 **Pablo Calzadilla** (University of Manchester, UK)

Shedding light onto the role of the Plastid terminal oxidase (PTOX) as a safety valve for photoprotection in plants

13h55-14h05 **Flash presentations, Posters 1-5**

14h00-15h00 *Coffee-break – Poster Session*

15h00-14h25 **Céline Cattelin** (IBPC, Paris, France)

Diversity of alpha-solenoid proteins regulating organellar gene expression in eukaryotic lineages and study of the conformational dynamics of PPR proteins

15h25-15h50 **Florian Veillet** (BIAM, CEA-Cadarache, France)

Deciphering storage carbohydrate biosynthetic pathways in brown macroalgae using molecular genetics in the model species *Ectocarpus*

Session 2, Chair Catherine Berthomieu

16h-16h30 **Stefania Viola** (BIAM, CEA-Cadarache, France)

Life in the shade: how photosystem II adapted to far-red light

16h30-17h00 **Tania Tibiletti** (I2BC, Gif-sur-Yvette, France)

Mechanism of water oxidation in Photosystem II: focus on V185 residue of the D1 protein

17h00-17h25 **Dany Croteau** (IBPC, Paris, France)

Titration of nonphotochemical quenching to develop a comprehensive model of photosynthesis regulation in the diatom *Phaeodactylum tricornutum*

17h25-17h50 **Nicolas Chéron** (ENS, Paris, France)

Computational prediction of bicarbonate binding sites in PEP Carboxylase

17h50-18h00 **Flash presentations, Posters 6-10**

18h00 *Apéritif and Poster Session*

Friday 23rd

Session 3, Chair Anja Krieger

- 9h00-9h30 Alistair McCormick** (University of Edinburgh, UK)
Engineering the highly productive cyanobacterial strain *Synechococcus* sp. PCC 11901
- 9h30-10h00 Gwenaëlle Gain** (IBPC, Paris, France)
Measurements of photosynthesis in mixture reveal the role of nutrients and allelopathy in the competition between dinoflagellates and diatoms.

10h00-10h10 Flash presentations, Posters 11-15

10h15-11h30 Coffee-break + Poster Session

- 11h30-11h55 Erik Jensen** (IBPC, Paris, France)
Establishing *Cyclotella cryptica* as a novel genetic model to study photosynthesis and plastid biogenesis in diatoms

12h00-12h30 Assemblée Générale de la Société Française de Photosynthèse

12h45-14h00 Lunch at the IBPC

Session 4, Chair Emmanuelle Issakidis

- 14h00-14h30 Francesca Zito** (IBPC, Paris, France)
Photosynthesis in all its states
- 14h30-15h00 Clara Bourbousse** (ENS, Paris, France)
Reorganization of chromatin architecture and global intensification of nuclear transcription by light: a role for plastid organelles
- 15h00-15h25 Lucas Leverne** (I2BC, Gif-sur-Yvette, France)
State transition mutation increased drought resistance
- 15h25-15h50 Salek Sajib** (Team MetaboActions, IPS2, Gif-sur-Yvette, France)
Role of the plastidial functional states on skoto-morphogenesis in *Arabidopsis thaliana*

16h00 End of the meeting